

**Fort Riley  
Illicit Discharges**

Discovered Date	Source	Location
8/1/03	Manhole 171	6200 residential area
5/29/03	Manhole	North of Building 6914
3/17/03	Manhole 404A	East of IACH
3/14/03	Main Line	Main from Building 224
1/29/03	Manhole #	North of PX
12/21/02	Manhole 430	East of Building 6842
11/4/02	Primary Clarifiers	Custer Hill WWTP
10/17/02	Manhole 403	Custer Hill Golf Course
10/11/02	Grease trap	Dining Facility
9/26/02	Manhole 008	MAAF
9/13/02	Manhole 470	Custer Hill Family Housing Area
9/4/02	Manhole 371	Custer Hill Golf Course
9/4/02	Manhole 371	Custer Hill Golf Course
8/22/02	Sludge Drying Bed	Camp Forsyth WWTP

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Discovered Date	Source	Location
6/29/02	Force Main Sewer Line	Ellis Heights residential area
6/20/02	Secondary Digester	Custer Hill WWTP
4/1/02	Sludge Drying Bed	Camp Forsyth WWTP
2/26/02	Secondary Digester	Custer Hill WWTP
1/20/02	Manhole 430	East of Building 6842
1/17/02	Sewer Line	Lift Station Force Main between Camp Funston and Camp Whitside
1/10/02	Manhole 202	East of Building 6106
10/23/01	Manhole 171	North of Lift Station 6200
10/22/01	Lift Station 780	Lift Station 780
9/18/01	Emergency Spillway	CVWF
8/24/01	Emergency Overflow	CVWF
7/29/01	Manhole 111	Near Lift Station 500
5/1/01	Manhole 485	Between Buildings 7958 and 7942
4/24/01	Wastewater Line	West TES Basin
4/21/01	Wastewater Line	East TES Basin

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Discovered Date	Source	Location
4/11/01	Manhole 306	Custer Hill Golf Course

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Event Description
Obstruction in the sewer line caused an overflow to manhole 171. Wastewater ran SE to ditch that flows to Moon Lake but found no evidence that discharge had reached lake. Overflow had been ongoing for a long time prior to discovery based on quantity of standing water.
Pump malfunction at lift station 690 caused manhole to overflow. Wastewater flowed 200' NE thru parking lot then 20' SE to wooded drainage.
There was an obstruction in the line that caused overflow at manhole 404A. The manhole is located on the street across the parking lot. Upon DES arrival, manhole was no longer overflow. There was some flow and accumulation about 20 feet south west.
Clay tile pipe was damaged and collapsed. The line was a main from building 224. This building is seldom used, and only for training of small MP groups. DPW started excavation at 8:00 am, removed the broken pipe, and replaced it with new 8 inch PVC pipe.
Upon DES arrival, manhole was overflowing at approximately 20 gpm. The flow was going through the parking lot north of the PX and downhill toward a wooded drainage. The DPW immediately started work by loosening debris (possibly FOGs) with a rod.
Upon DES arrival, manhole was still overflowing at approximately 150 gpm. DPW personnel were no longer on site. DES placed caution tape around discharge area. Later the DPW personnel removed rocks placed in the manhole by vandals, and had the system back in operation on 12-22-02. The manhole was temporarily covered by a backhoe bucket.
DPW personnel started sludge transfer from the primary clarifiers to the primary digesters at 11:00 PM on 11-3-02. Sludge was too thick and clogged splitter box of primary digester #5. During morning inspection, operator noted the overflow.
Upon DES arrival, manhole was overflowing intermittently at a rate of approximately 50 gpm. Big Bertha LS 620 was pumping approximately every 15 minutes. DPW personnel had to divert all flow from Big Bertha to the Camp Forsyth WWTP. Manhole 403 had collapsed and was blocking the line.
Upon DES arrival, a clogged in the grease trap caused grease to overflow. The DES used the vacuum truck to recover the grease on the ground as well as the grease in the trap. Apparently some grease solidified and overaccumulated. The overflow had ceased but grease had flowed into a stormwater drain.
Upon DES arrival, manhole was no longer overflowing, but wastewater had puddled around the manhole. DPW noticed that water present in lift station 008's air tube was causing the malfunction of the lift station. The lift station was promptly repaired.
Upon DES arrival, the manhole was no longer overflowing, but wastewater flowed into a stormwater drain. The stormwater drain discharges through an outfall at the ravine behind the housing area.
When DES arrived, the manhole was no longer overflowing. Wastewater entered a highly wooded drainage, and the discharge was clear.
Obstruction in sewer line caused manhole to overflow twice on 2 consecutive days. On both occasions, when DES arrived, the overflow had ceased. DPW had the jet truck to remove any obstruction or possible Fat, Oil, and Grease (FOG) accumulation. The line was cleared immediately on both occasions.
During a routine inspection of the plant, it was noted that sludge had overflowed one of the sludge drying beds. The sludge flowed approximately 20 feet away from the bed, but was totally contained within the fence area of the WWTP. The sludge was recovered and placed back in the drying beds.

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Event Description
DPW investigated the line break, and because more light and equipment would be needed, they didn't start work until the next morning. Excavation started the next morning and at which time they clamped the line and had the system back in operation by late afternoon.
Sludge was being transferred from the primary digesters to the secondary digesters. The operator did not move the diversion gate to allow sludge to move from secondary digester #1 to secondary digester #2, causing secondary digester #1 to overflow.
Vortexing occurred at the digester, allowing supernatant to flow to the drying bed. Because the supernatant was not thick enough, it seeped underneath the gate. The DPW personnel promptly backed the gate up with sand to stop the seepage. Approximately 1000 gallons overflowed.
Cold weather caused the gas relief valve in the secondary digester to get stuck in the open position. This allowed overflow of foam. The digesters were equalized to stop the overflow. Upon DES personnel arrival, all the foam had streamed to the east side.
Vandals removed manhole cover and clogged the sewer line with rocks. The DPW personnel removed all rocks and placed a concrete barrier on top of the manhole.
Underground broken pipe probably due to stressed piping materials. Lift station was turned off in an attempt to slow flow. However, back-pressure added to flow. DPW excavated and placed clamped, and turned on lift station again.
At arrival, the sewer line had been fixed and was no longer discharging. The wastewater had streamed through grass and under a culvert to the opposite side of the street. Wastewater puddled on drainage. Caution tape was placed around puddles.
At arrival, line was clear and manhole was no longer discharging. Discharge occurred from an overflow pipe near the manhole and streamed through a highly wooded area. Obstruction was removed from sewer pipe. No other corrective actions were performed.
Private contractor was working on replacing lift stations, when they noticed the lift station was not pumping. Apparently the circuit breaker tripped. The overflow moved through underground piping, and discharged to a stormwater outfall.
Precipitation increased water level of the OWR, causing discharge through the emergency spillway. The weirgate of cell 4 was lowered to allow more discharge from outfall 004, and permit water from OWR to flow more rapidly to cell 2.
Precipitation/stormwater runoff increased water level at OWR, causing discharge from the emergency spillway. Wiergate from cell 4 was lowered to allow discharge from outfall 004. This increases flow from OWR to cell 2, and prevents discharge from emergency overflow.
Manhole was damaged by a mower. At arrival, discharged had dissipated, and puddled in a highly wooded drainage. Line was cleared.
Sewer line was blocked by tree roots. Line was cleared.
During construction: Around the west TES basin, stormwater runoff caused severe erosion and exposed a plastic pipe that eventually disconnected. The pipe was later reconnected. No further actions were taken.
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Event Description
Sewer line between manholes #306 and #289 clogged and caused discharge from manhole #306. The discharge did not reach any streams, and the area was not located in a trafficked by people. No further action was taken.